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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,779	12/02/2003	Wen-Chi Wang	WANG3209/EM	1916
23364	7590	08/04/2005	EXAMINER	
BACON & THOMAS, PLLC 625 SLATERS LANE FOURTH FLOOR ALEXANDRIA, VA 22314			CHANG, DANIEL D	
			ART UNIT	PAPER NUMBER
			2819	

DATE MAILED: 08/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/724,779

Applicant(s)

WANG ET AL.

Examiner

Daniel D. Chang

Art Unit

2819

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 June 2005.
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 4-7 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☒ Claim(s) 1, 4-6 is/are allowed.
6) ☒ Claim(s) 7 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

Claim Objections

Claim 7 is objected to because of the following informalities: on line 6, “non-inverting output terminal” appears to be --inverting output terminal--. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 7 is rejected under 35 U.S.C. 102(b) as being anticipated by Ferianz (US 2002/0070770 A1).

Regarding claim 7, Ferianz discloses, in fig. 2, a line driver, comprising:

a differential amplifier (6) having an inverting output terminal (15), a non-inverting output terminal (14), an inverting input terminal (5), and a non-inverting input terminal (8);

a first input resistor (4) coupled to the inverting input terminal;

a second input resistor (7) coupled to the non-inverting input terminal;

a first impedance matching resistor (18) coupled to the ~~non~~-inverting output terminal;

a second impedance matching resistor (16) coupled to the non-inverting output terminal;

and

a resistive feedback network (16, 18, 20-23), having a plurality of resistors in symmetric configuration, wherein the resistive feedback network further includes:

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a first resistor unit including a first resistor (23) connected to the first impedance matching resistor and the inverting input terminal; and a second resistor (22) connected to the second impedance matching resistor and the non-inverting input terminal, and one of the following two resistor units comprising:

a third resistor unit including a fifth resistor (20) connected to the second impedance matching resistor unit and the inverting input terminal and a sixth resistor (21) connected to the first impedance matching resistor unit and the non-inverting input terminal; and

[a fourth resistor unit including a seventh resistor connected to the inverting output terminal and the inverting input terminal and a eighth resistor connected to the non-inverting output terminal and the non-inverting input terminal.]

Allowable Subject Matter

Claims 1 and 4-6 are allowable.

Response to Arguments

Applicant's arguments filed 6/28/2005 have been fully considered but they are not persuasive.

Applicant argues, on page 8 of the Amendment filed 6/28/05, that “the Ferianz patent neither discloses nor suggests the claimed third or fourth resistor units (in combination with the first resistor unit)”. However, Ferianz patent discloses that the claimed third resistor unit in combination with the first resistor unit as discussed above. Therefore, rejection is maintained.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel D. Chang whose telephone number is (571) 272-1801. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael J. Tokar can be reached on (571) 272-1812. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Daniel D. Chang
Primary Examiner
Art Unit 2819

**DANIEL CHANG
PRIMARY EXAMINER**

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